|       |          |          |                              |          |               |              |          |          |          |          |            |          |          |                     | 10/085,044  |              |         |               |         |        |             |        |       | MIYAKOSHI ET AL. |                 |           |          |           |              |           |           |          |          |   |
|-------|----------|----------|------------------------------|----------|---------------|--------------|----------|----------|----------|----------|------------|----------|----------|---------------------|-------------|--------------|---------|---------------|---------|--------|-------------|--------|-------|------------------|-----------------|-----------|----------|-----------|--------------|-----------|-----------|----------|----------|---|
|       |          |          |                              |          |               |              |          |          |          |          |            |          |          |                     | Examiner    |              |         |               |         |        |             |        |       |                  | Art Unit        |           |          |           |              |           |           |          |          |   |
|       |          |          |                              |          |               |              |          |          |          |          |            |          |          |                     | Sean Reilly |              |         |               |         |        |             |        |       |                  | 2153            |           |          |           |              |           |           |          |          |   |
|       |          | Γ        | / Rejected (Through numeral) |          |               |              |          |          |          |          |            |          |          |                     |             |              | ٦       | ٢             | Т       |        |             |        |       | 1                | П               |           |          | _         |              |           | $\neg$    |          |          |   |
|       |          | <b>√</b> | R                            | eje      | cte           | ∌d<br>—–     |          |          |          |          | Cancelled  |          |          |                     |             | ··· <i>,</i> |         | 1             | Non-    |        | n-El        | lected |       |                  | A               | Appeal    |          |           |              |           |           |          |          |   |
|       |          | =        | Allowed                      |          |               |              |          | ÷        |          |          | Restricted |          |          |                     | l           |              |         | I Interferenc |         |        | ıce         |        | o     | Objected         |                 |           |          |           |              |           |           |          |          |   |
| Cla   | aim      |          |                              |          |               | Date         | ,<br>    |          |          |          | <br>]      | Claim    |          |                     |             | Da           |         | ıte.          |         |        |             |        | laim  |                  | Date            |           |          | _         |              |           | _         |          |          |   |
|       |          | -        |                              | <u> </u> |               |              | Ť        |          | Γ        |          | l          |          |          | Т                   |             |              | Ť       | Ť             | Т       | Τ      | T           |        |       | T                | $\Box$          |           | Т        | Ť         | Ï            | Т         | П         | $\neg$   |          |   |
| Final | Original | 4/6/05   |                              |          |               |              |          |          |          |          |            | Final    | Original |                     |             |              |         |               |         |        | 8           |        | Final | Original         |                 |           |          |           |              |           |           |          |          |   |
|       | 1        | 1        |                              |          |               |              |          |          |          |          |            |          | 51       |                     | $\perp$     |              |         |               | $\perp$ | 土      |             |        |       | 101              |                 |           | $\perp$  | $\top$    |              | $\exists$ | $\exists$ |          |          |   |
|       | 3        | 4        | -                            | _        | _             | L            | _        | ┞        | -        | <u> </u> |            |          | 52<br>53 | $\vdash$            | +           | +            | +       | +             | +       | +      | -           |        |       | 102<br>103       |                 | _         | 4        | 4         | 4            | 4         |           | 4        |          |   |
|       | 4        | #        | $\vdash$                     |          |               |              | -        | H        | ╁        | $\vdash$ |            |          | 54       | $\vdash$            | $\dashv$    | $\dashv$     | +       | +             | ╁       | ╁      | +-          |        |       | 103              |                 | $\dashv$  | +        | +         | +            | $\dashv$  | $\dashv$  | ┪        | $\dashv$ |   |
|       | 5        |          |                              |          |               |              |          |          |          |          |            |          | 55       |                     | ユ           | $\Box$       |         |               |         | 工      |             |        |       | 105              |                 |           |          |           |              |           |           |          |          |   |
|       | 6<br>7   | -        | -                            | _        | L             | _            | _        | H        | ┞        | -        |            |          | 56<br>57 | $\vdash$            | +           | -            | +       | +             | +       | +      | <del></del> |        |       | 106<br>107       |                 | +         | +        | 4         | 4            | 4         | -         | $\dashv$ | 4        |   |
|       | 8        |          | H                            |          | H             |              | -        |          | -        |          |            | $\vdash$ | 58       | $\forall$           | +           | $\dashv$     | +       | ╁             | ╁       | ╁      | +           |        | _     | 108              | $\vdash$        | $\dashv$  | +        | $\forall$ | +            | $\dashv$  |           | ᅦ        | $\dashv$ |   |
|       | 9        |          |                              |          |               |              |          |          |          |          |            |          | 59       | $\Box$              |             |              | Ţ       | Ţ             |         |        |             |        |       | 109              |                 |           |          |           |              |           |           |          |          |   |
|       | 10<br>11 | -        | -                            | _        | L             | H            | -        | -        | ├        | -        | -          | -        | 60<br>61 | $\dashv$            |             | +            | +       | +             | +       | +      | -           |        |       | 110<br>111       | $\vdash$        | $\dashv$  | 4        | +         | 4            | 4         |           | 4        | 4        |   |
|       | 12       | 1        |                              |          | -             |              | $\vdash$ |          | $\vdash$ |          |            | -        | 62       | $\forall$           | +           | $\dashv$     | ╁       | +             | +       | ╁      | +           |        |       | 112              | Н               | $\dashv$  | +        | $\dashv$  | +            | $\dashv$  | $\dashv$  |          | ㅓ        |   |
|       | 13       |          |                              |          |               |              |          |          |          |          |            |          | 63       |                     |             |              | I       |               |         |        |             |        |       | 113              |                 |           | $\perp$  |           |              |           |           |          |          |   |
|       | 14<br>15 | H        | _                            | -        | _             | -            | -        |          | -        | $\vdash$ | -          |          | 64<br>65 | $\dashv$            | $\dashv$    | +            | +       | +             | +       | +      | -           |        |       | 114<br>115       | -               | +         | +        | 4         | $\dashv$     | 4         | -         | _        | _        |   |
|       | 16       | H        | -                            | -        | -             | $\vdash$     | _        | -        |          |          |            | -        | 66       | H                   | $\dashv$    | $\dashv$     | ╁       | +             | +       | ╁      | +           |        |       | 116              | $\vdash$        | +         | +        | +         | $\dashv$     | $\dashv$  | $\dashv$  | $\dashv$ | _        |   |
|       | 17       |          |                              |          |               |              |          |          |          |          |            |          | 67       |                     |             |              |         |               |         | 工      |             | - 11   |       | 117              |                 |           |          |           |              |           |           |          | _        |   |
|       | 18<br>19 | 1        | <u> </u>                     | _        | _             | _            | _        | -        | -        | -        |            |          | 68<br>69 | $\dashv$            | -           | +            | 4.      | +             | +       | +      | 4-          |        |       | 118<br>119       | $\vdash$        | $\dashv$  | +        | +         | 4            | $\dashv$  | _         | 4        |          |   |
| -     | 20       | ╫        | -                            | -        | -             | ┢            | -        | $\vdash$ | ┢        | ┝        |            | -        | 70       | $\dashv$            | $\dashv$    | +            | +       | +             | +       | +      | +           |        |       | 120              | $\vdash$        | -         | $\dashv$ | +         | $\dashv$     | ┧         | $\dashv$  | $\dashv$ | _        | • |
|       | 21       | V        |                              |          |               |              |          |          |          |          |            |          | 71       |                     | $\perp$     |              | 1       |               |         |        |             |        |       | 121              |                 |           |          |           |              |           |           |          |          |   |
|       | 22       | 1        | -                            | _        | _             | -            | L        | -        | ╀        | L        |            |          | 72<br>73 | $\dashv$            | -           | +            | +       | +             | +       | +-     | -           |        |       | 122<br>123       | $\sqcup$        | $\dashv$  | +        | +         | 4            | -         |           | _        | _        |   |
|       | 24       | -        | ┢                            | $\vdash$ | $\vdash$      | -            | -        | $\vdash$ | -        | $\vdash$ | ł          | -        | 74       | -                   |             | $\dashv$     | +       | ╁             | +       | +      | -           |        |       | 123              | $\vdash$        | $\dashv$  | +        | +         | +            | $\dashv$  | ┪         | $\dashv$ | _        |   |
|       | 25       |          |                              |          |               |              |          |          |          |          | 1          |          | 75       |                     | 工           |              |         |               |         |        |             |        |       | 125              |                 |           |          |           |              |           |           |          |          |   |
|       | 26<br>27 | <u> </u> | L                            | <u> </u> |               | _            | <u> </u> | _        | ļ        | -        | -          | <u> </u> | 76<br>77 | $\dashv$            | $\dashv$    | 4            | +       | +             | +       | +      | -           |        |       | 126              | $\sqcup$        | $\dashv$  | $\perp$  | 4         | $\dashv$     | 4         | 4         | 4        | _        |   |
|       | 28       | -        | $\vdash$                     | H        | -             | <del> </del> |          |          | $\vdash$ | -        |            | <u> </u> | 78       | $\vdash$            | +           | ╁            | ╁       | +             | ╁       | ╁      | +-          |        |       | 127<br>128       | H               | +         | +        | +         | $\dashv$     | +         | $\dashv$  | $\dashv$ |          |   |
|       | 29       |          |                              |          |               |              |          |          |          |          |            |          | 79       |                     |             |              |         |               | İ       | I      |             | 3      |       | 129              |                 |           | $\top$   | 1         | $\exists$    |           |           | ╛        |          |   |
|       | 30<br>31 | _        | L                            | _        | <u> </u>      | L            | <u> </u> | _        | <u> </u> | <u> </u> |            |          | 80<br>81 | 4                   | _           | _ _          | 4       | $\bot$        | $\perp$ |        | $\bot$      |        |       | 130              |                 |           | 4        | 4         | 4            | _         | _         | _        |          |   |
| -     | 32       |          | $\vdash$                     | _        | -             |              |          |          | ├        | -        |            | ┢        | 82       | $\dashv$            | +           | +            | +       | +             | +       | +-     | +           | 8      |       | 131              | $\vdash$        | $\dashv$  | +        | +         | $\dashv$     | +         | $\dashv$  | $\dashv$ | $\dashv$ |   |
|       | 33       |          |                              |          |               |              |          |          |          |          |            |          | 83       |                     | 工           |              |         |               |         |        |             | *.     |       | 133              |                 | 士         |          | _         | 1            |           |           |          |          |   |
|       | 34<br>35 | _        | -                            |          |               | _            | -        | L        | -        | _        | ,          | <u> </u> | 84<br>85 | $\vdash$            |             | +            | +-      | +-            | +       | _      | +           |        |       | 134<br>135       | $\sqcup$        | -         | _        | 4         | $\downarrow$ | 4         | 4         | $\dashv$ | _        |   |
|       | 36       |          |                              | -        | ┢             |              |          | H        | +-       | -        |            |          | 86       | $\vdash$            | $\dashv$    | +            | ╁       | ╁             | +       | ╁      | +           | ١,     |       | 136              | ├─┤             | +         | +        | +         | $\dashv$     | ┪         | $\dashv$  | $\dashv$ | -        |   |
|       | 37       |          |                              |          |               |              |          |          |          |          | 1          |          | 87       |                     |             |              | $\top$  |               |         |        |             |        |       | 137              |                 |           |          | 1         |              |           |           |          |          |   |
| -     | 38<br>39 | L        | _                            | _        | ļ             | _            | _        | _        | ┡        | -        |            |          | 88<br>89 | $\dashv$            | 4           | -            | 4       | 4             | +       | +      | 1_          |        |       | 138              | $\vdash \vdash$ | 4         | 4        | 4         | $\downarrow$ | $\dashv$  | 4         | 4        | _        |   |
|       | 40       | ┝        | $\vdash$                     | H        | <del> -</del> | $\vdash$     |          | -        | ┢        | -        | ł          |          | 90       | $\vdash$            | +           | -+-          | ╁       | ┿             | ╬       | +      | +-          |        |       | 139              | $\vdash$        | +         | +        | +         | +            | $\dashv$  | -         | $\dashv$ |          |   |
|       | 41       |          |                              |          |               |              |          |          |          |          | 1          |          | 91       |                     |             |              |         |               |         | 工      |             |        |       | 141              |                 |           |          |           |              |           |           |          |          |   |
|       | 42<br>43 | -        | -                            | H        | L             | L            | <u> </u> | _        | $\vdash$ | $\vdash$ | 1          |          | 92<br>93 | $\vdash \downarrow$ | 4           | 4            | +       | +             | +       | +      | 1           |        |       | 142              |                 | $\bot$    | $\perp$  | $\bot$    | $\bot$       | 4         | $\dashv$  | _]       | _]       |   |
|       | 44       | $\vdash$ |                              |          | $\vdash$      |              | $\vdash$ | $\vdash$ | +        | -        | 1          | <u> </u> | 93       | $\vdash \vdash$     | +           | +            | +       | +             | +       | +      | +           |        |       | 143              | $\vdash \mid$   | +         | +        | +         | +            | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$ |   |
|       | 45       |          |                              |          |               |              |          |          |          |          | 1          |          | 95       |                     |             |              |         |               | $\pm$   | İ      |             |        |       | 145              |                 |           |          | $\perp$   | $\exists$    |           |           | ╛        |          |   |
|       | 46<br>47 | _        | _                            |          | ļ             | L            | _        | _        | <u> </u> | <u> </u> | 1          |          | 96       | $\dashv$            | $\bot$      | $\perp$      | $\perp$ | $\perp$       | $\perp$ | $\bot$ | $\Box$      |        |       | 146              | $\Box$          | $\perp$   | $\dashv$ | $\bot$    | $\bot$       | $\Box$    | $\Box$    | $\Box$   |          |   |
|       | 48       | -        | -                            | -        | -             | $\vdash$     | -        | $\vdash$ | $\vdash$ | $\vdash$ | ł          | <u> </u> | 97<br>98 | $\dashv$            | +           | +            | +       | +             | +       | +      | +           |        |       | 147              | $\vdash \vdash$ | +         | +        | +         | $\dashv$     | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$ |   |
|       | 49       |          |                              |          |               |              |          |          |          |          | ۱ .        |          | 99       |                     |             |              | 土       | 1             | 1       |        |             |        |       | 149              |                 | $\exists$ |          | 士         | 士            |           |           |          |          |   |
|       | 50       |          |                              |          |               |              | <u></u>  |          |          | L        | J          |          | 100      |                     | $\perp$     |              |         |               |         |        |             |        |       | 150              | $\Box$          | $\Box$    | $\perp$  | $\Box$    | Ι            |           | $\Box$    | $\Box$   |          |   |
|       |          |          |                              |          |               |              |          |          |          |          |            |          |          |                     |             |              |         |               |         |        |             |        | _     |                  |                 |           |          |           |              |           |           |          |          |   |

Application No.

Index of Claims

Applicant(s)